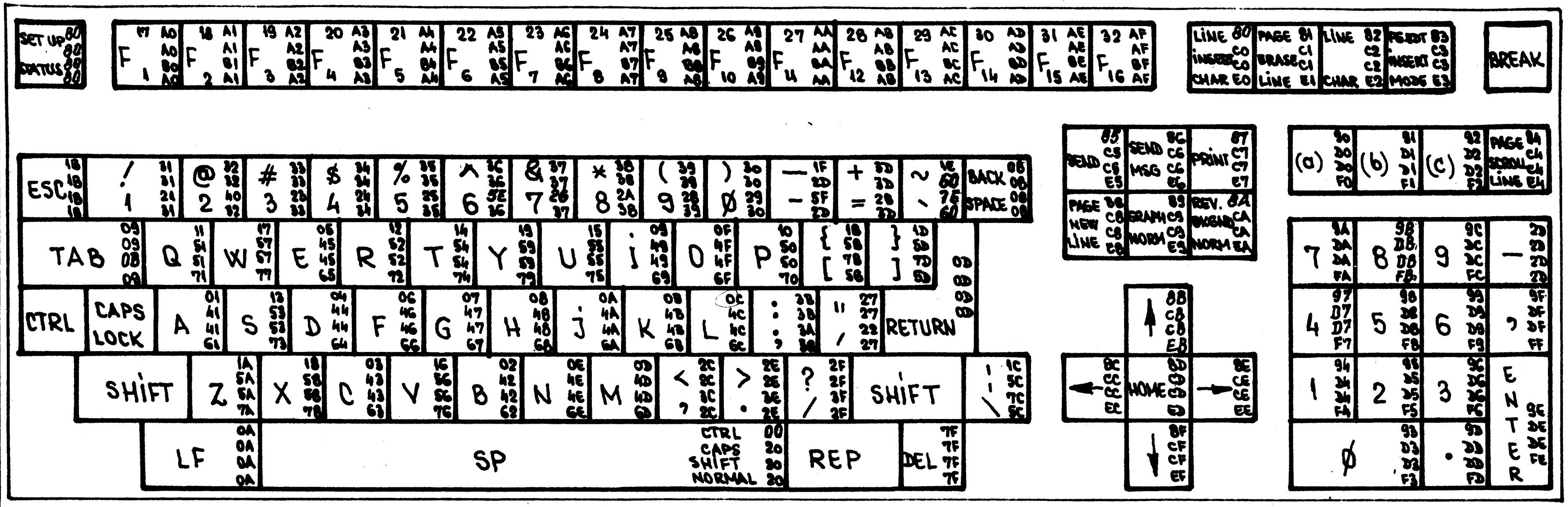
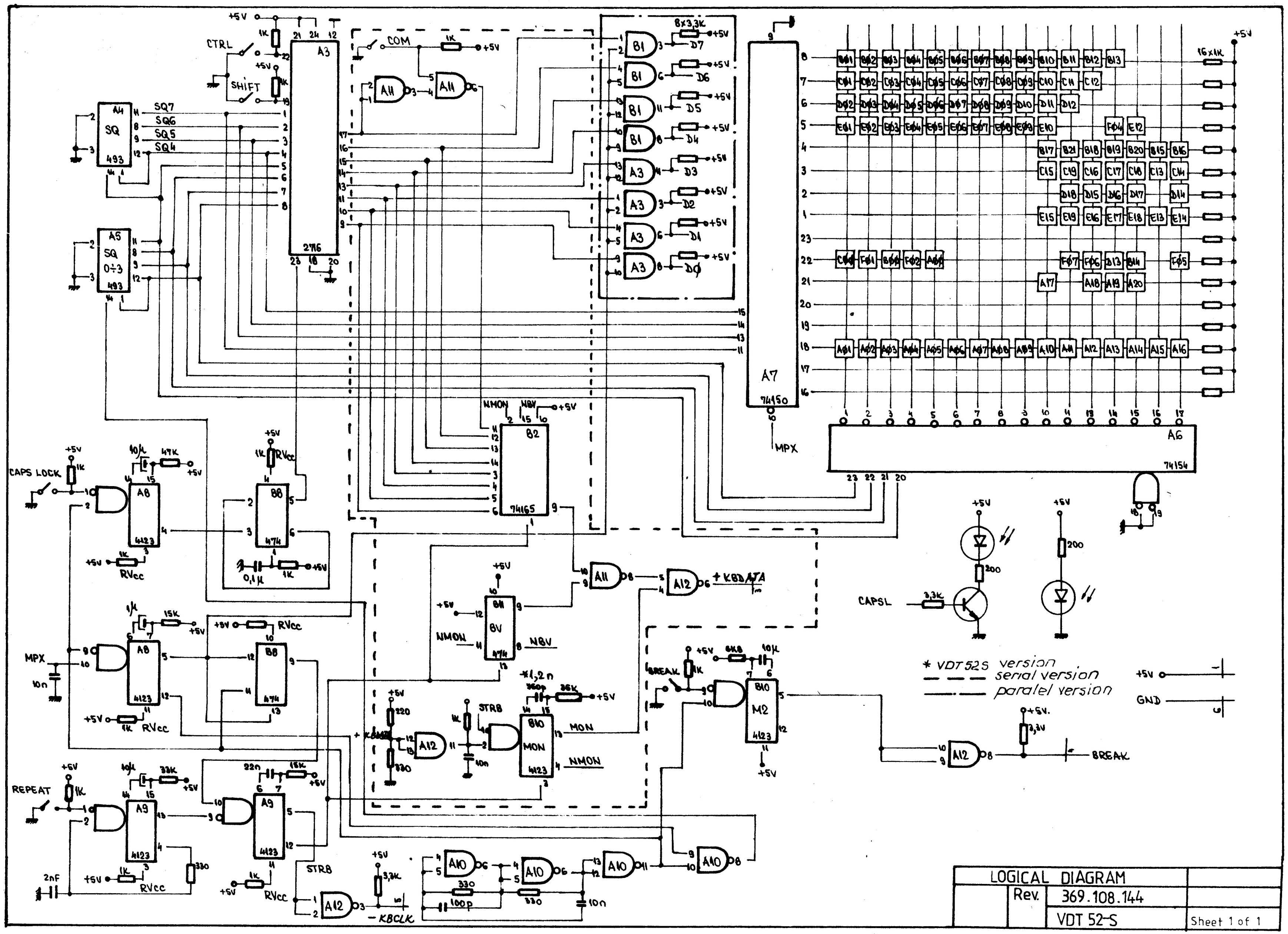
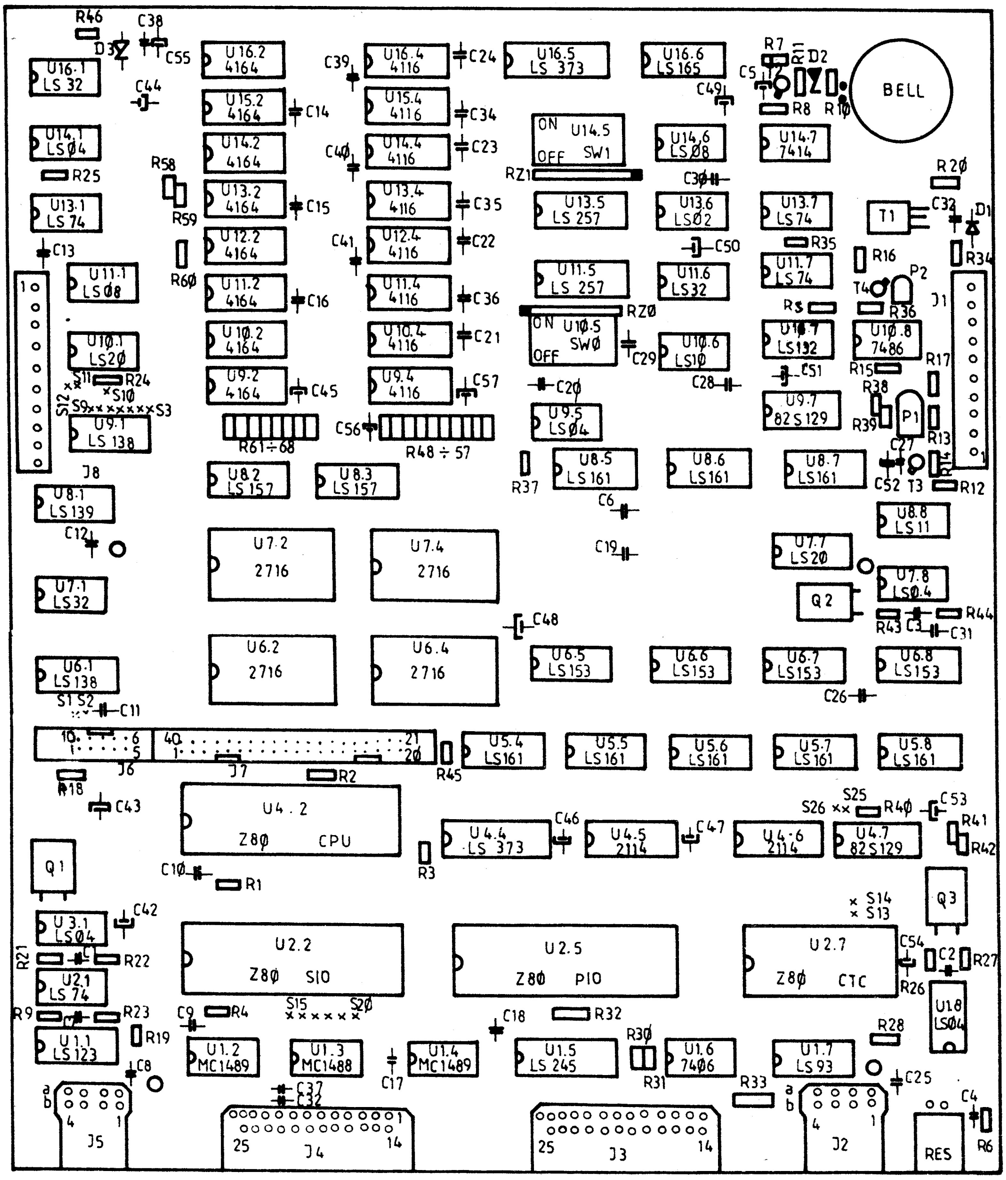


T1. KEYBOARD CONFIGURATION AND CODIFICATION

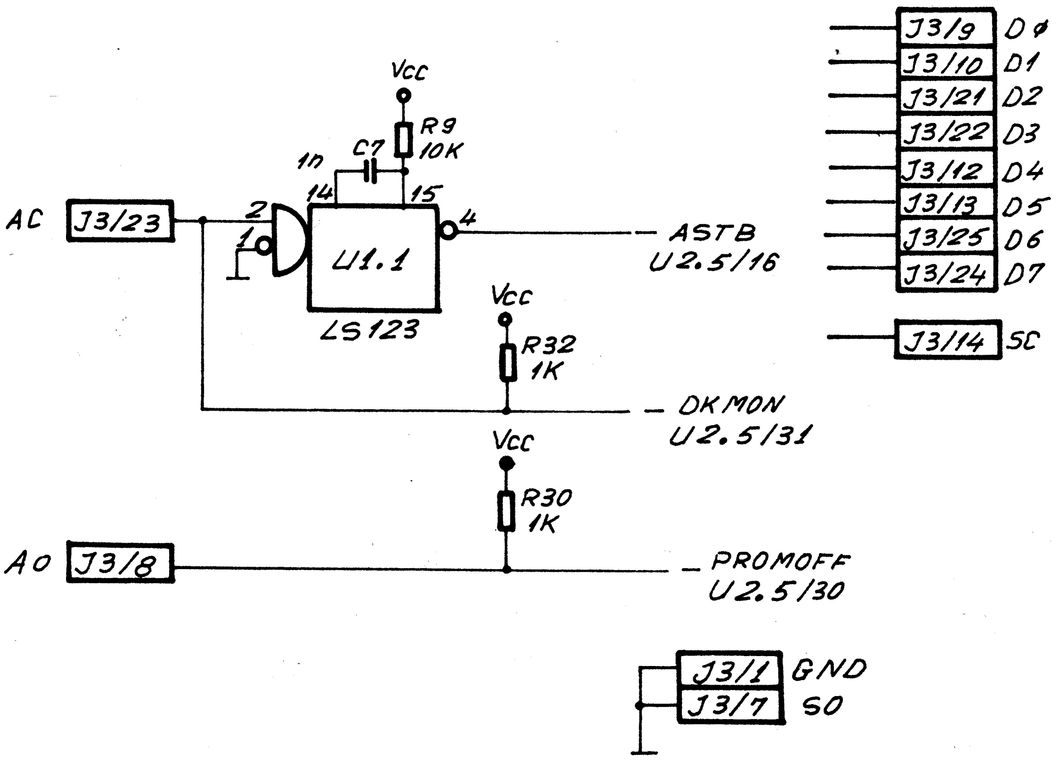


LOGICAL DIAGRAM
Rev.
369.108.144
VDT 52-S
Sheet 1 of 1
* VDT 52S version
serial version
paralel version
+5V
GND
CAPS LOCK
REPEAT
BREAK
CTRL
SHIFT
COM
MPX
CAPSL
+KBDATA
-KBCLK
STRB
NMON
NBV
MON
74150
74154
74165
2716



VDT 52-S MAIN BOARD		URC 85.01
Rev	MBZ LAYOUT	
		Sheet 1 of 1

MODIFICATIONS FOR CONNECTING ROBOTRON 1157(IFSP) PRINTER AS HARD-COPY FOR VDT 52-S



Interruptions:

- -U2.5/30 wire (solder side)
- -U2.5/16 wire (solder side)
- -U1.1/2 wire (solder side)
- -U1.1/1 wire (component side, under U1.1)
- -U1.1/12 wire (component side, under U1.1)

BREAK jumper (U2.5/16 - U2.2/29)

Components added:

- -U1.1 (LS123) and U1.5 (LS245)
- -R9 (10 KΩ, RPM 3050, 5%)
- -C7 (1nF, MC 3223, 10%, 50 V)

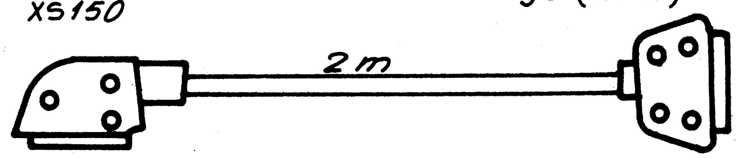
Jumpers:

- -J3/8 - U2.5/30
- -J3/23 - U2.5/31 - U1.1/2
- -U1.1/1 - U1.1/8
- -U1.1/4 - U2.5/16
- -U9.1/6 - U10.1/2
- -S21 - S22

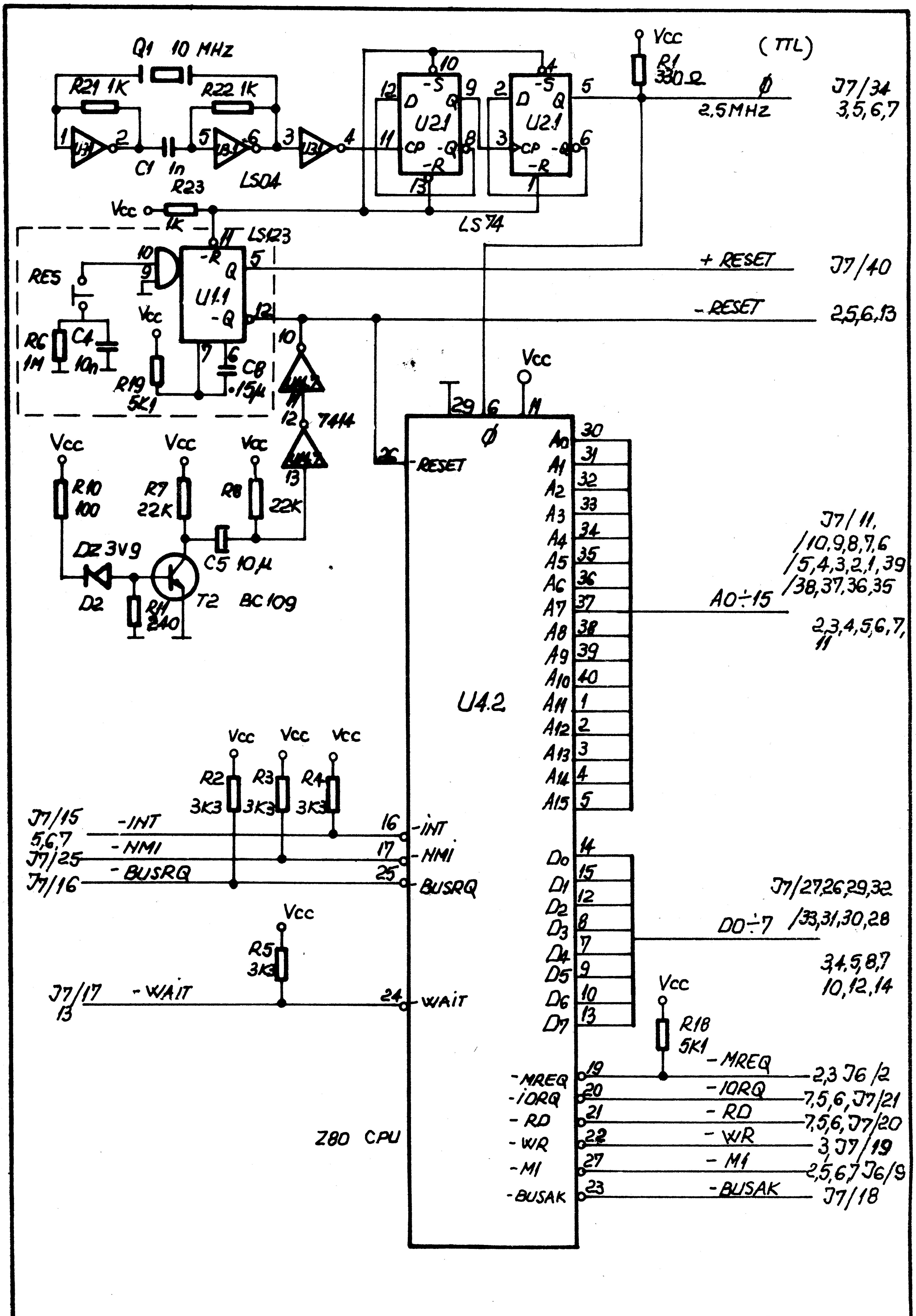
VDT 52-S			
		HARD-COPY	
		ROBOTRON 1157	Sheet 1 of 2

CABLE FOR CONNECTING ROBOTRON 1157 (IFSP)

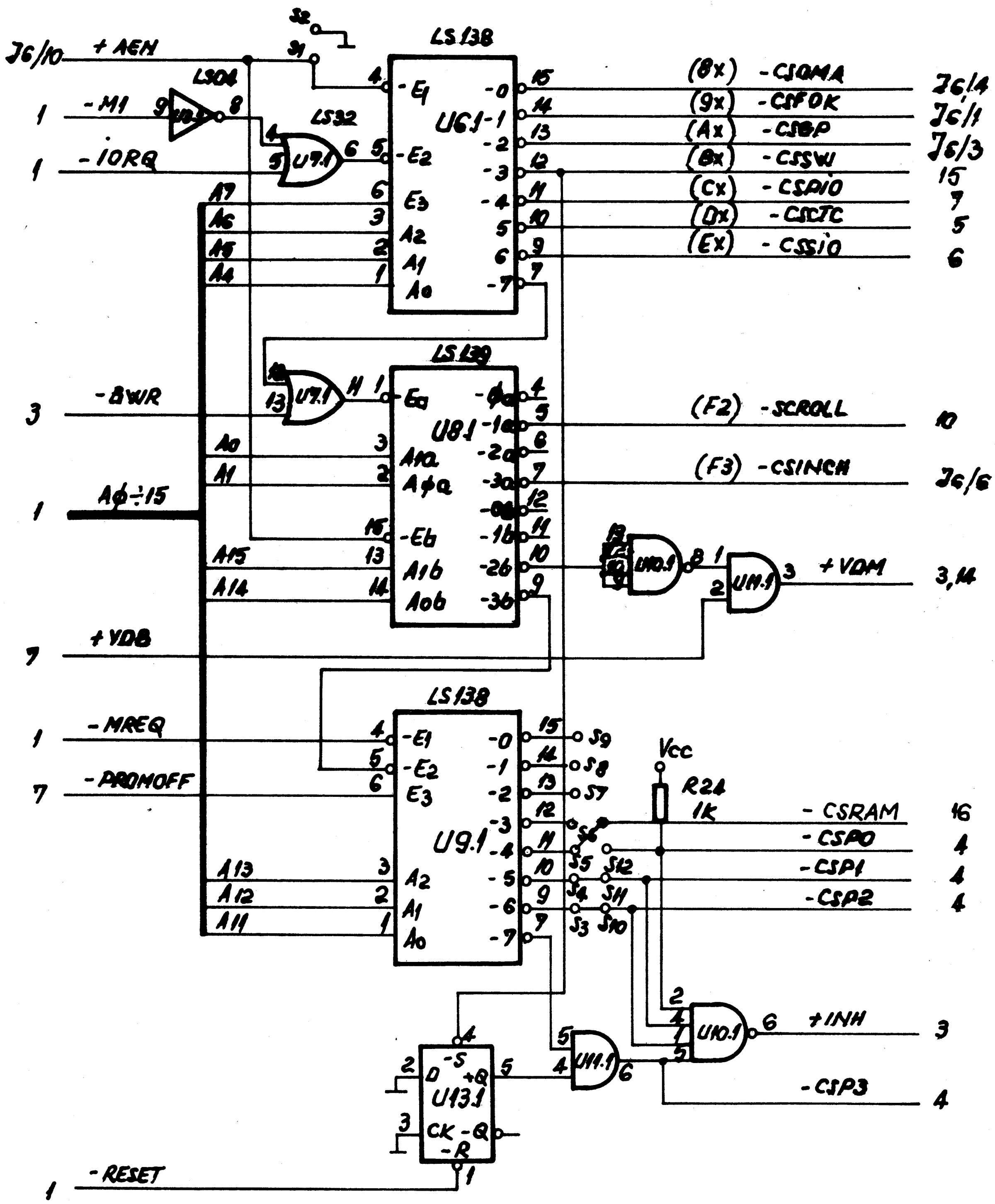
PRINTER AS HARD-COPY FOR VDT 52-S



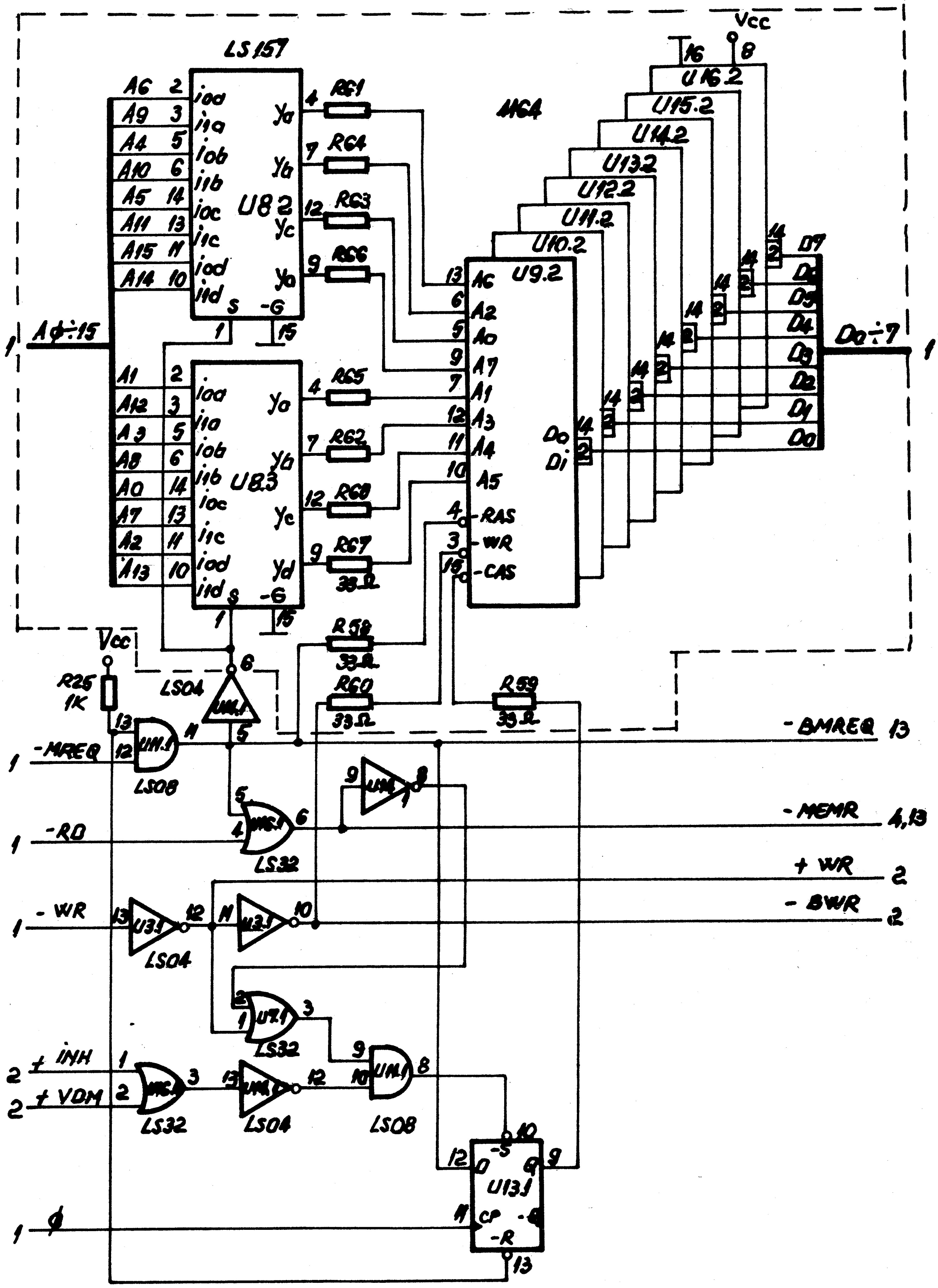
NO.	From XS150	To J3	Signal
1	B2	14	SC
2	B3	23	AC
3	B4	1	SO (GND)
4	B5	9	D0
5	B6	10	D1
6	B7	21	D2
7	B8	22	D3
8	B9	12	D4
9	B10	13	D5
10	B11	25	D6
11	B12	24	D7
12	B13	8	A0
13	A1	1	GND
14	C1	7	GND



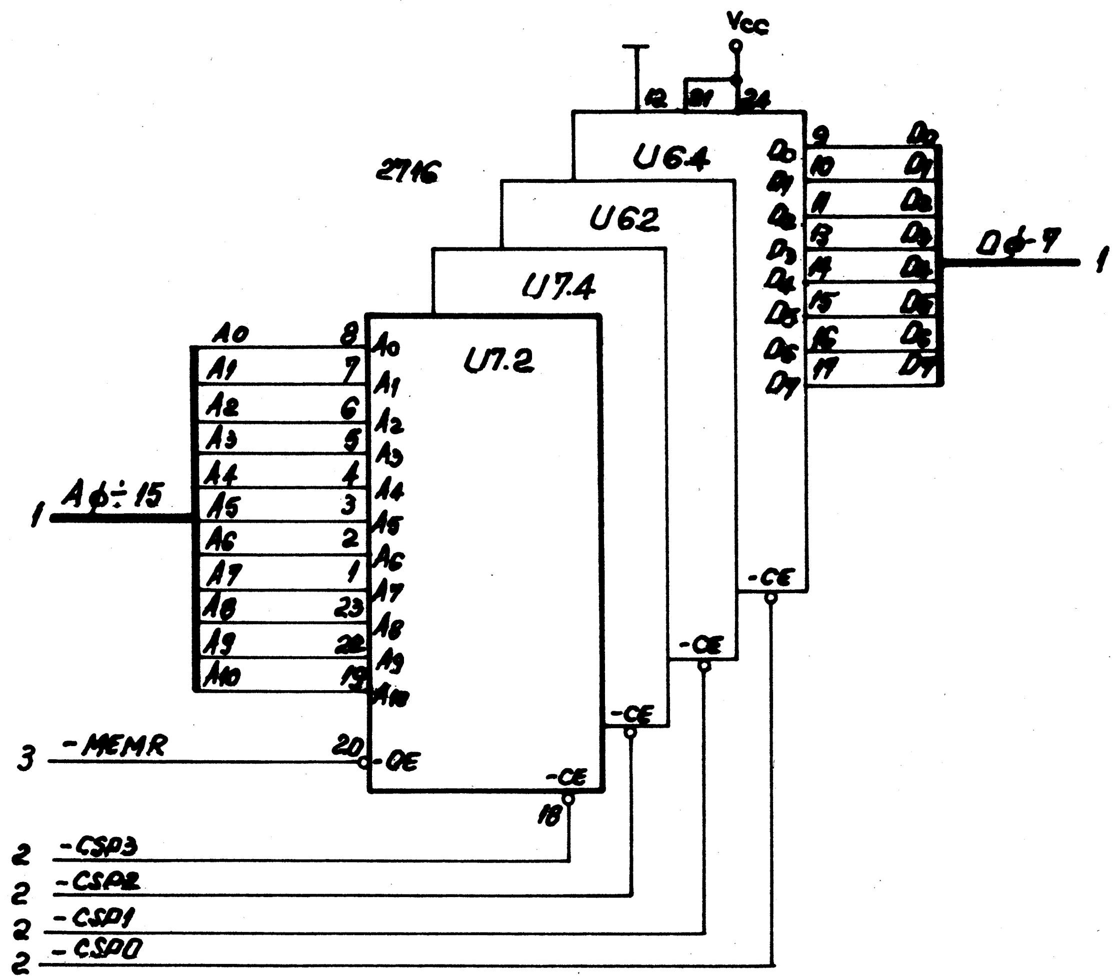
VDT 52-S MAIN BOARD		URC 85.01
	Rev. CPU	
		Sheet 1 of 16



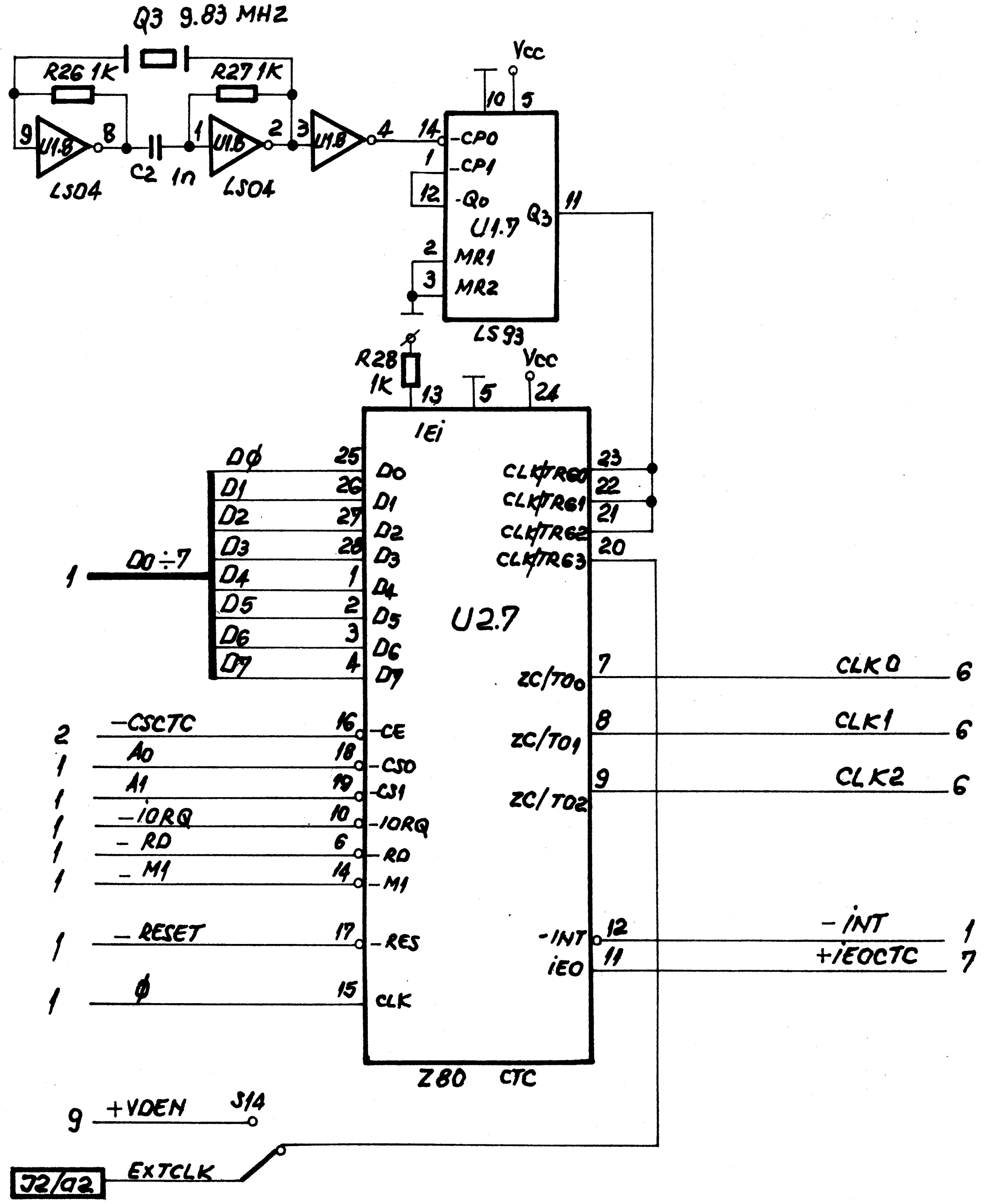
VDT 52-S MAIN BOARD		URC 85.01
	Rev.	I/O DECODER
		Sheet 2 of 16



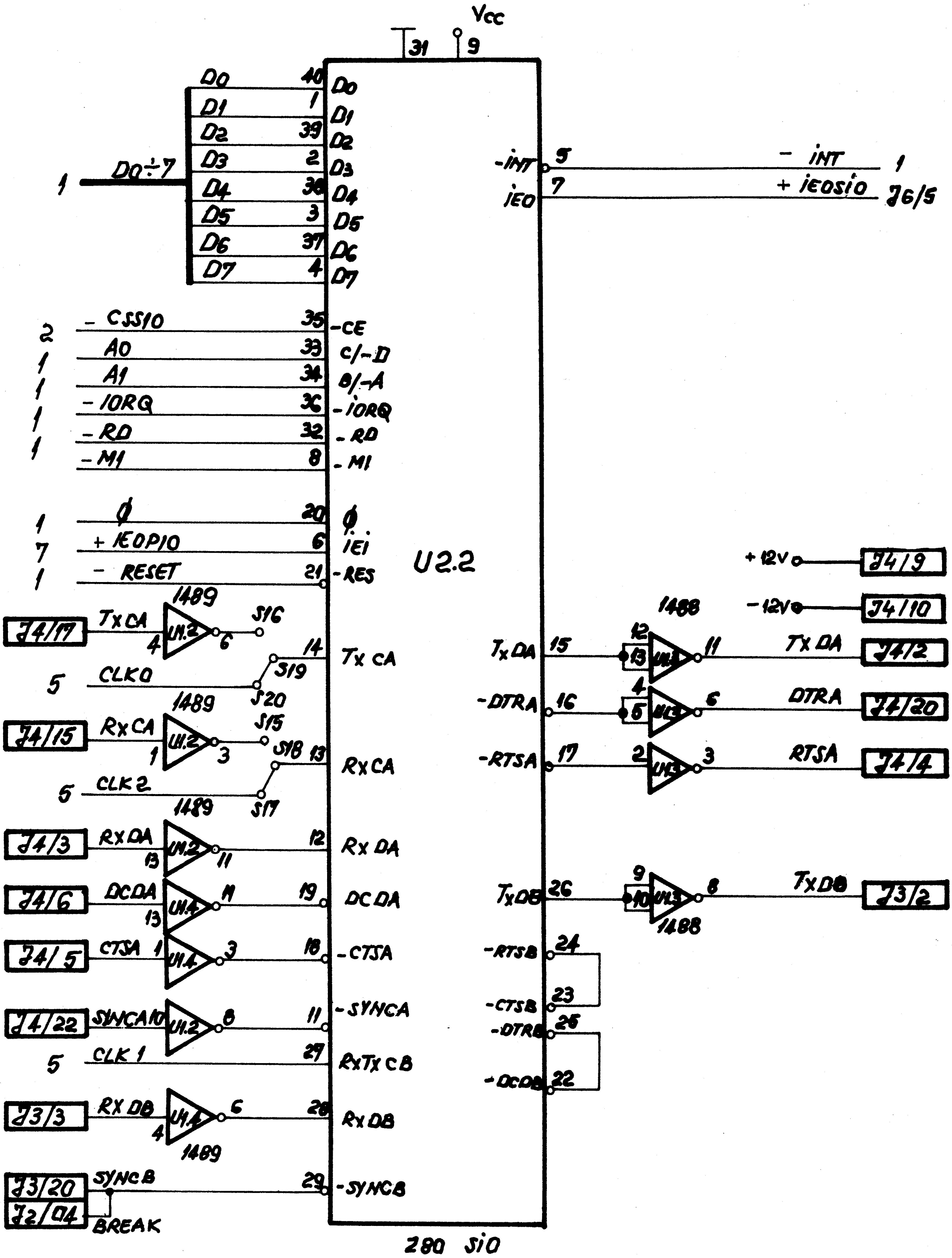
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	RAM	
			Sheet 3 of 16



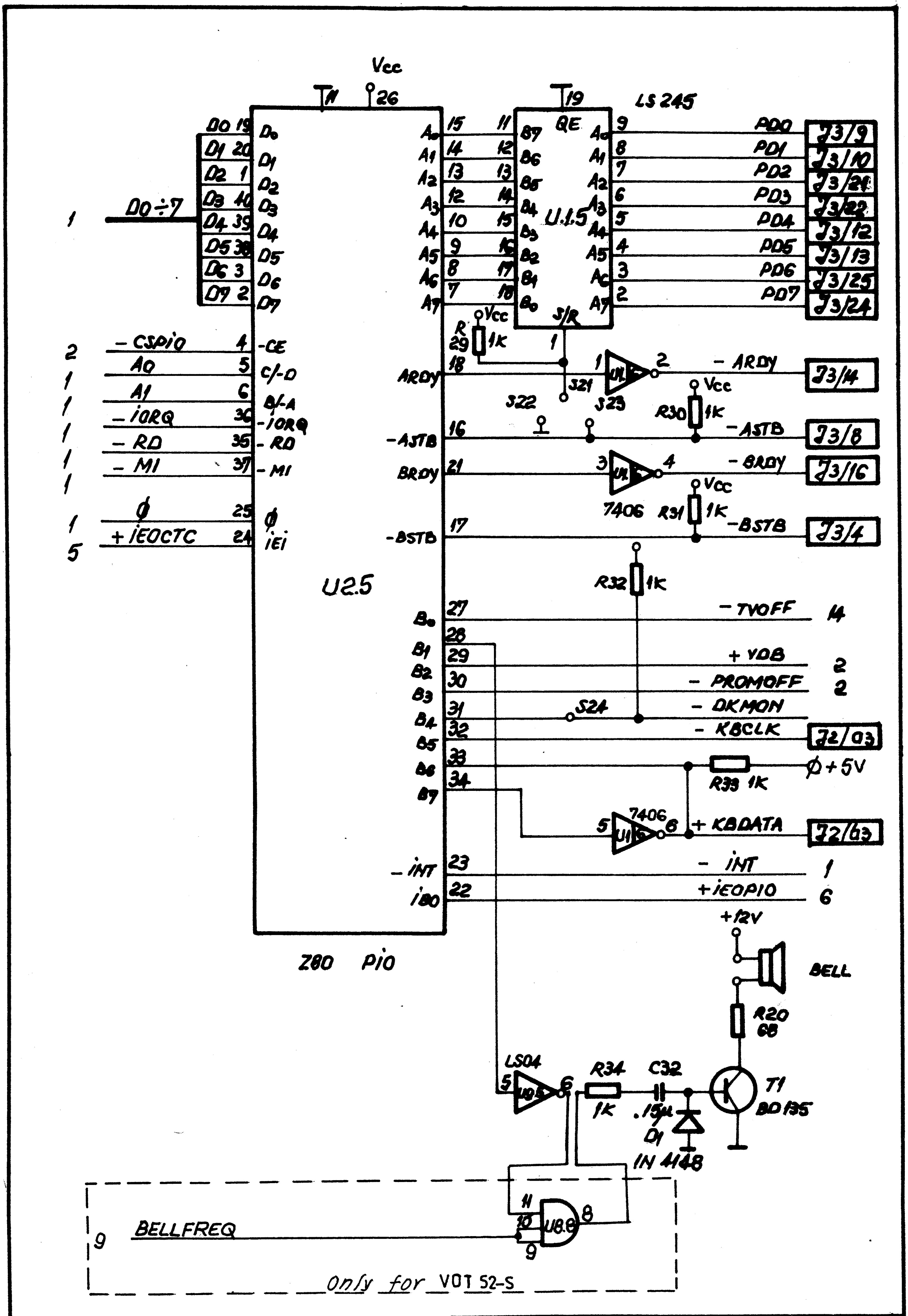
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	EPROM	
			Sheet 4 of 16



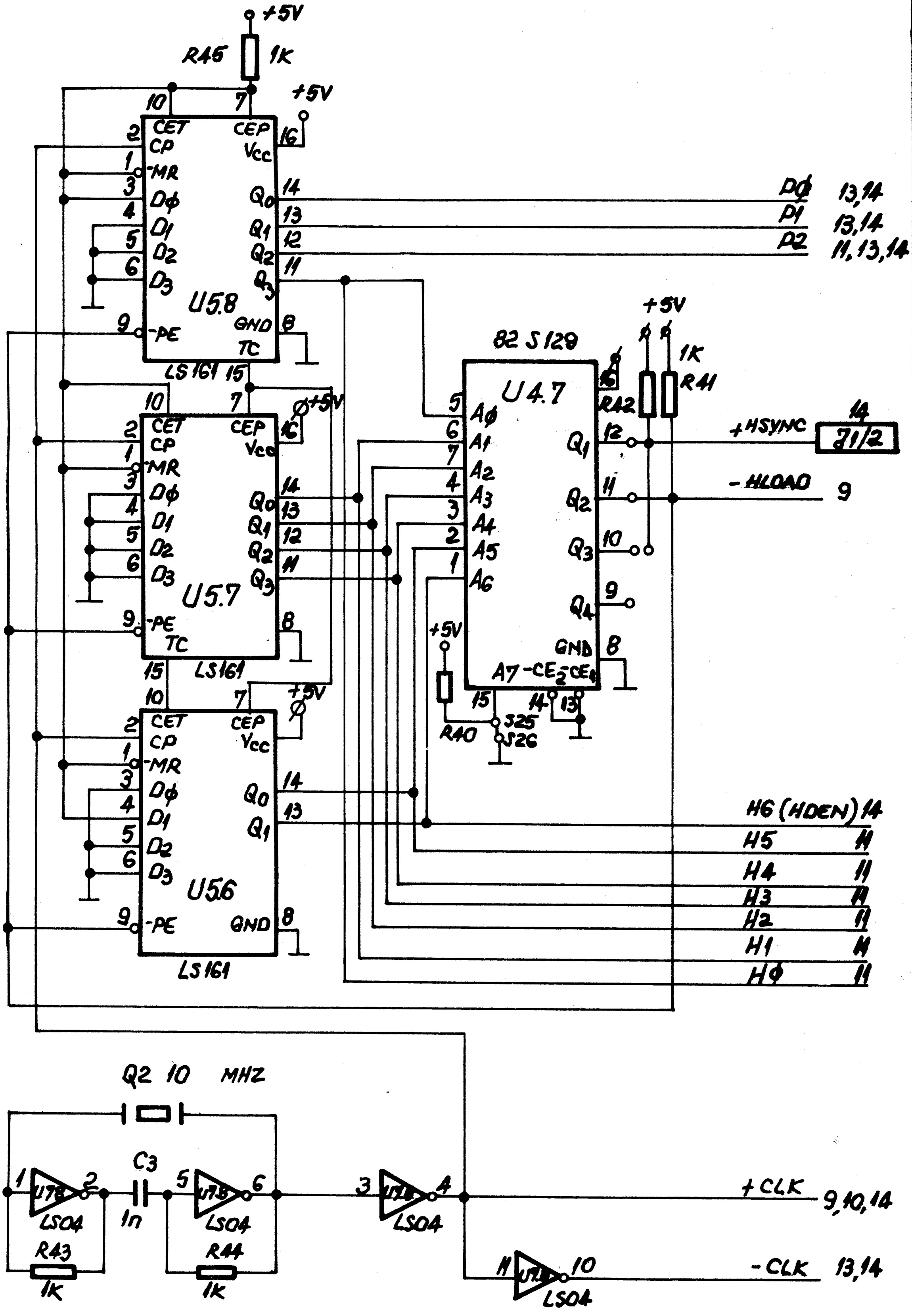
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	TIMER	
			Sheet 5 of 16



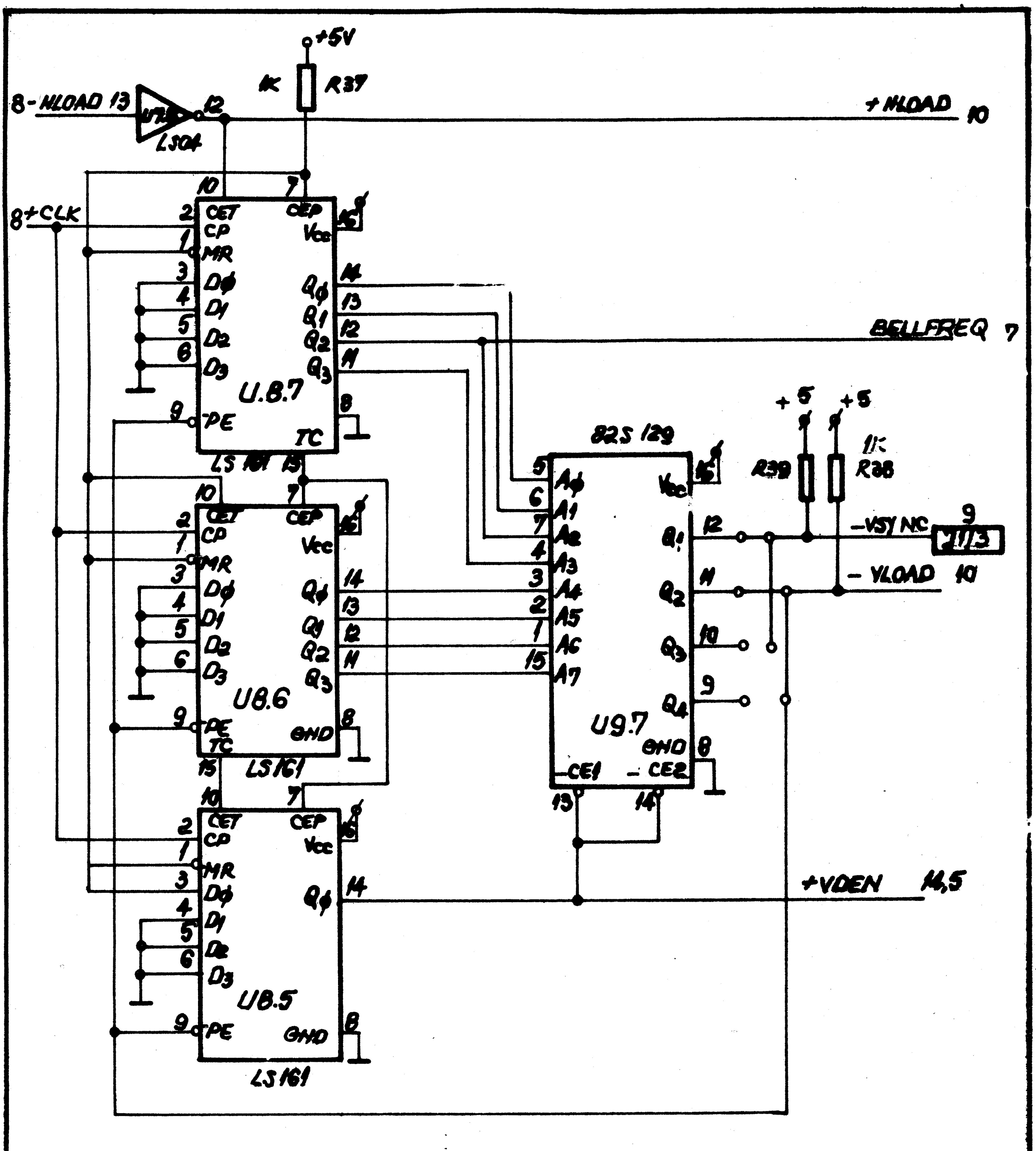
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	SERIAL I/O	
			Sheet 6 of 16



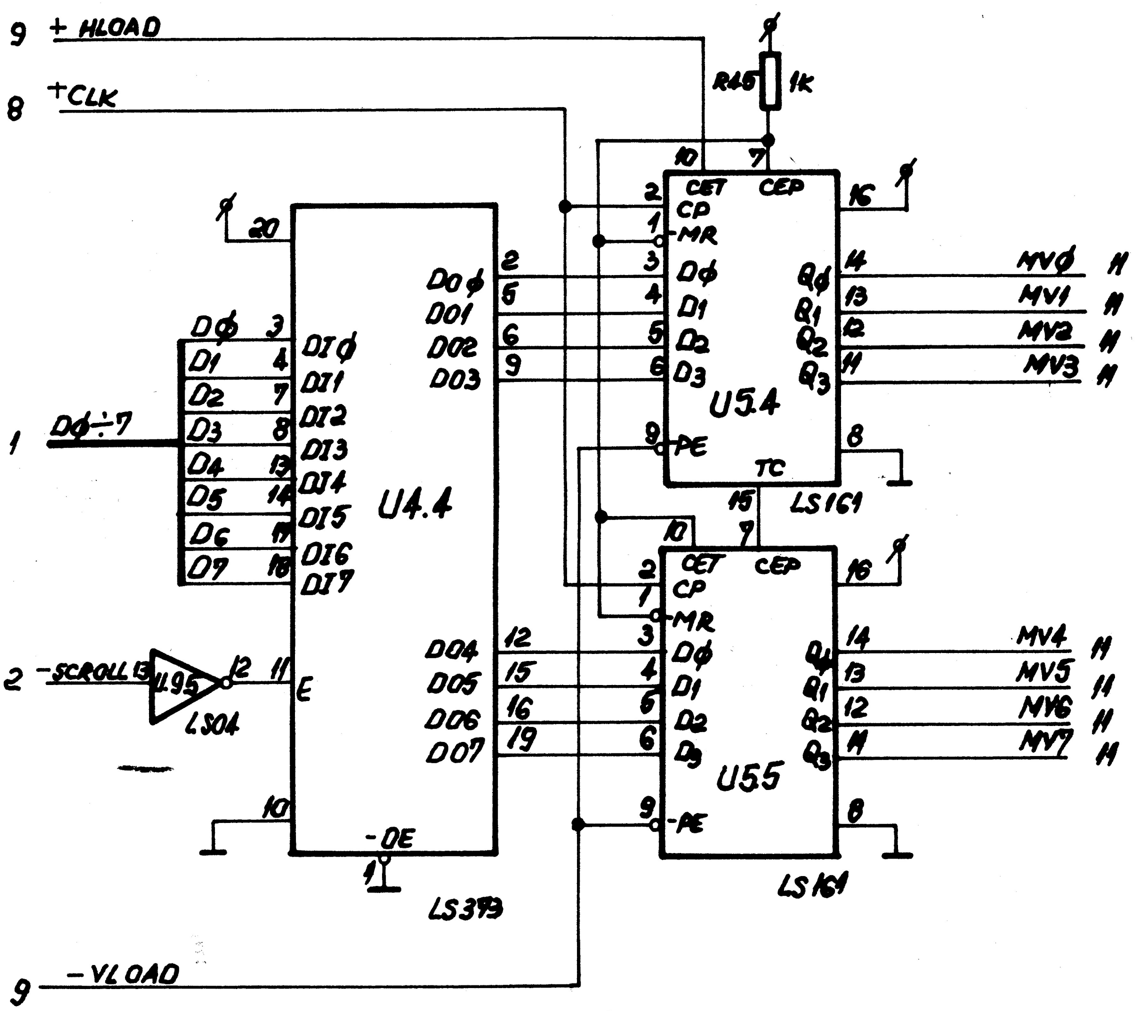
VDT 52-S MAIN BOARD		URC 85.01
Rev.	PARRALEL I/O	
		Sheet 7 of 16



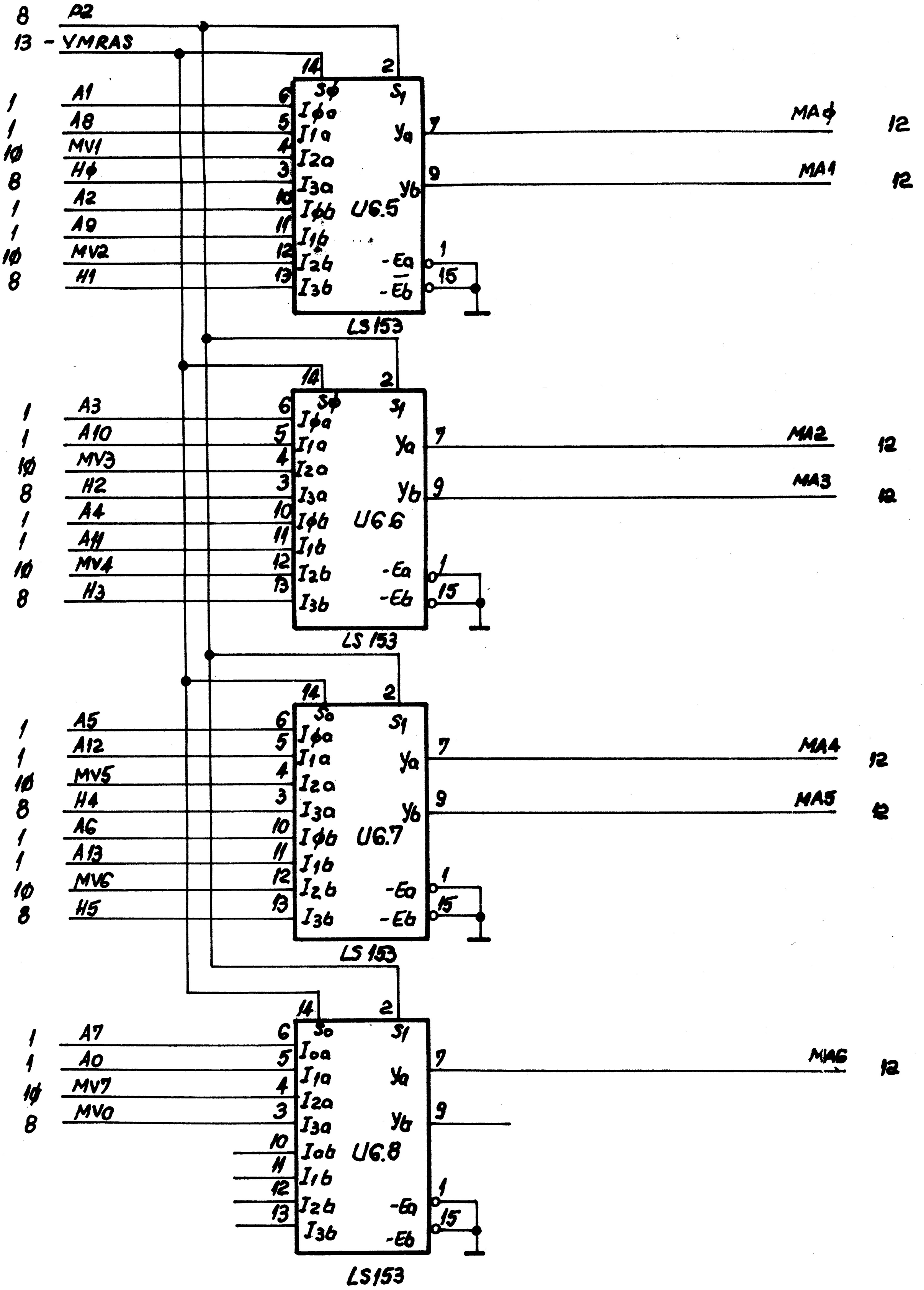
VDT 52-S MAIN BOARD		URC 85.01
	Rev. HORIZONTAL SYNC	
		Sheet 8 of 16



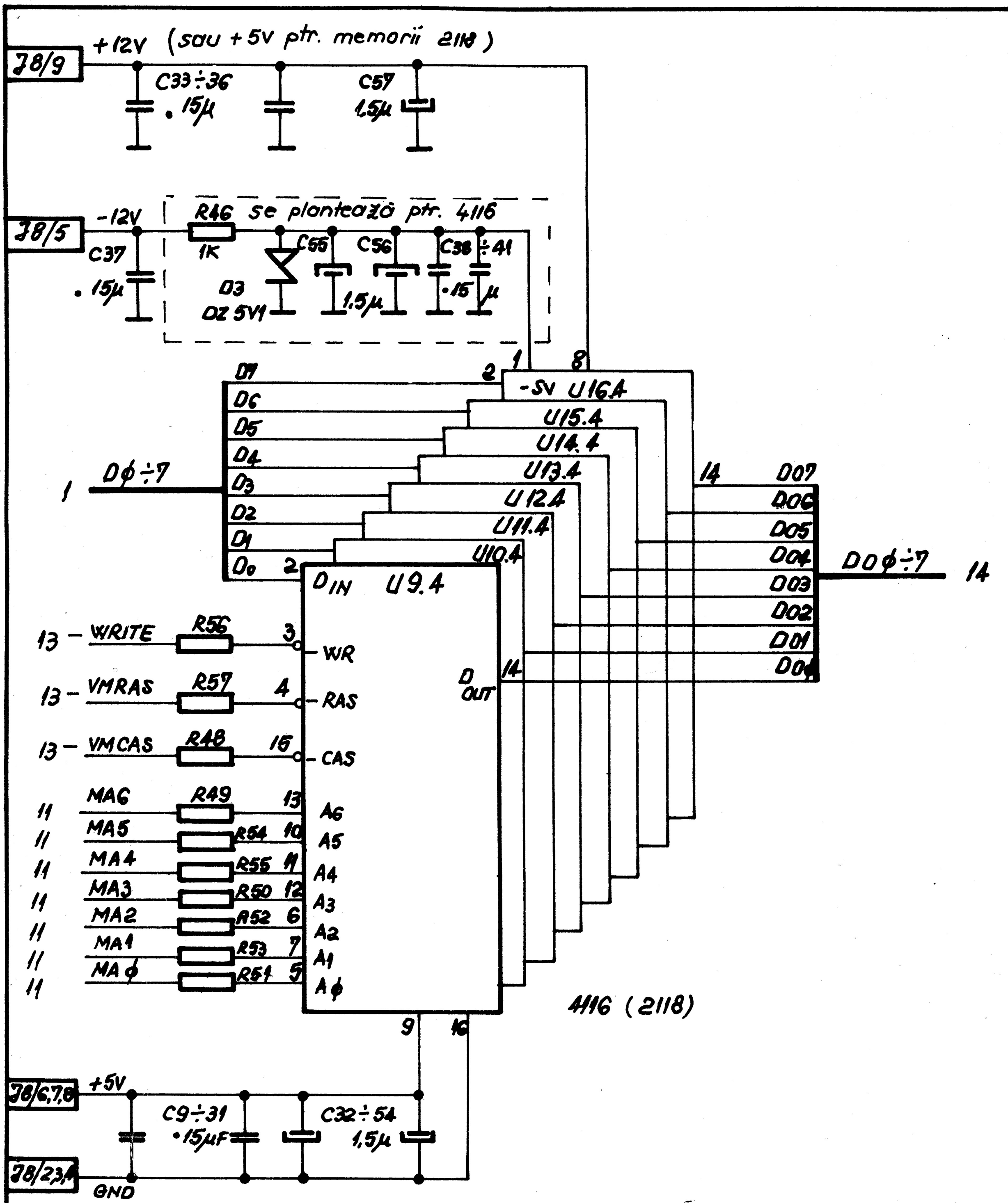
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	VERTICAL SYNC	
			Sheet 9 of 16



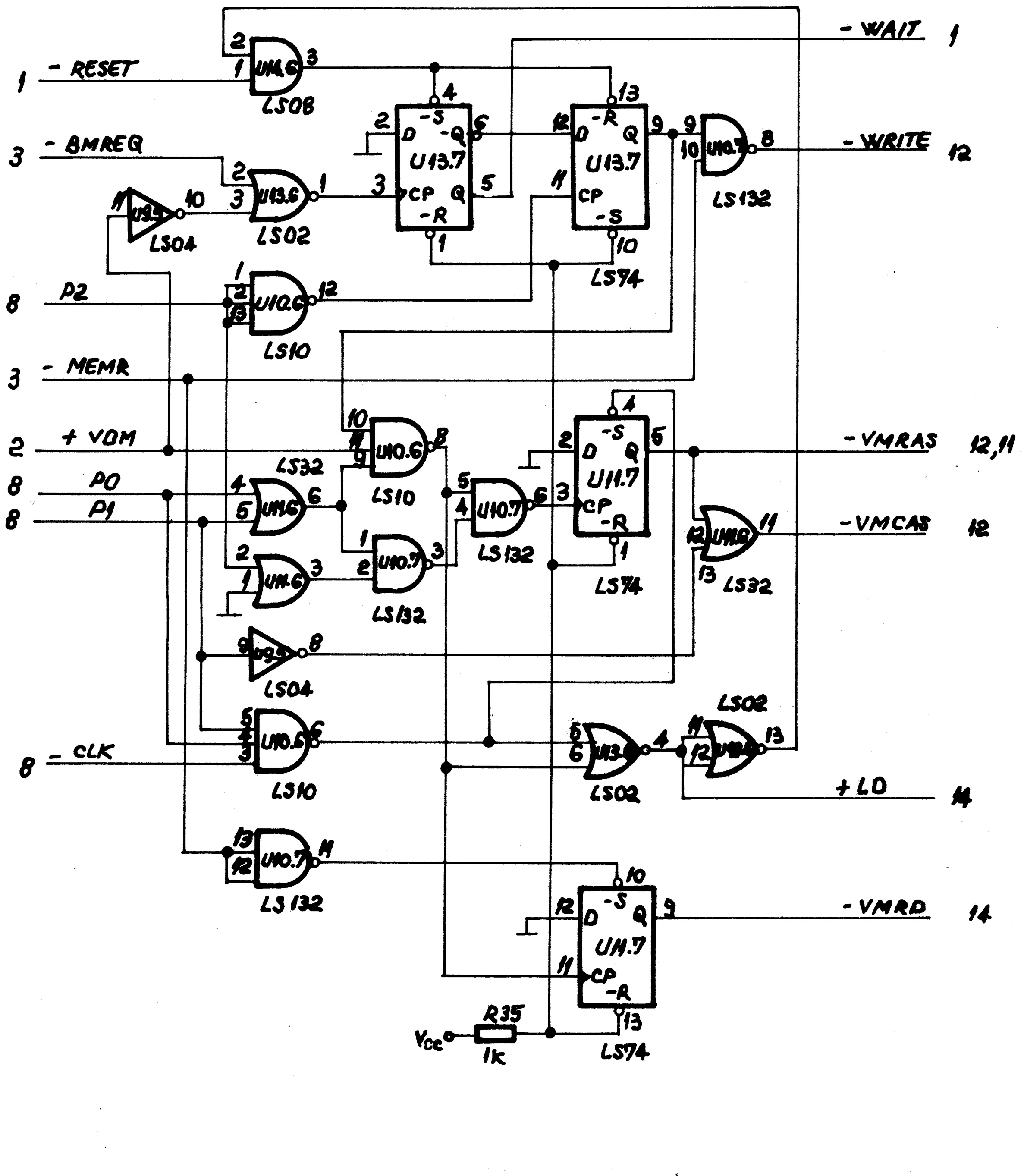
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	SCROLL REG	
			Sheet 10 of 16



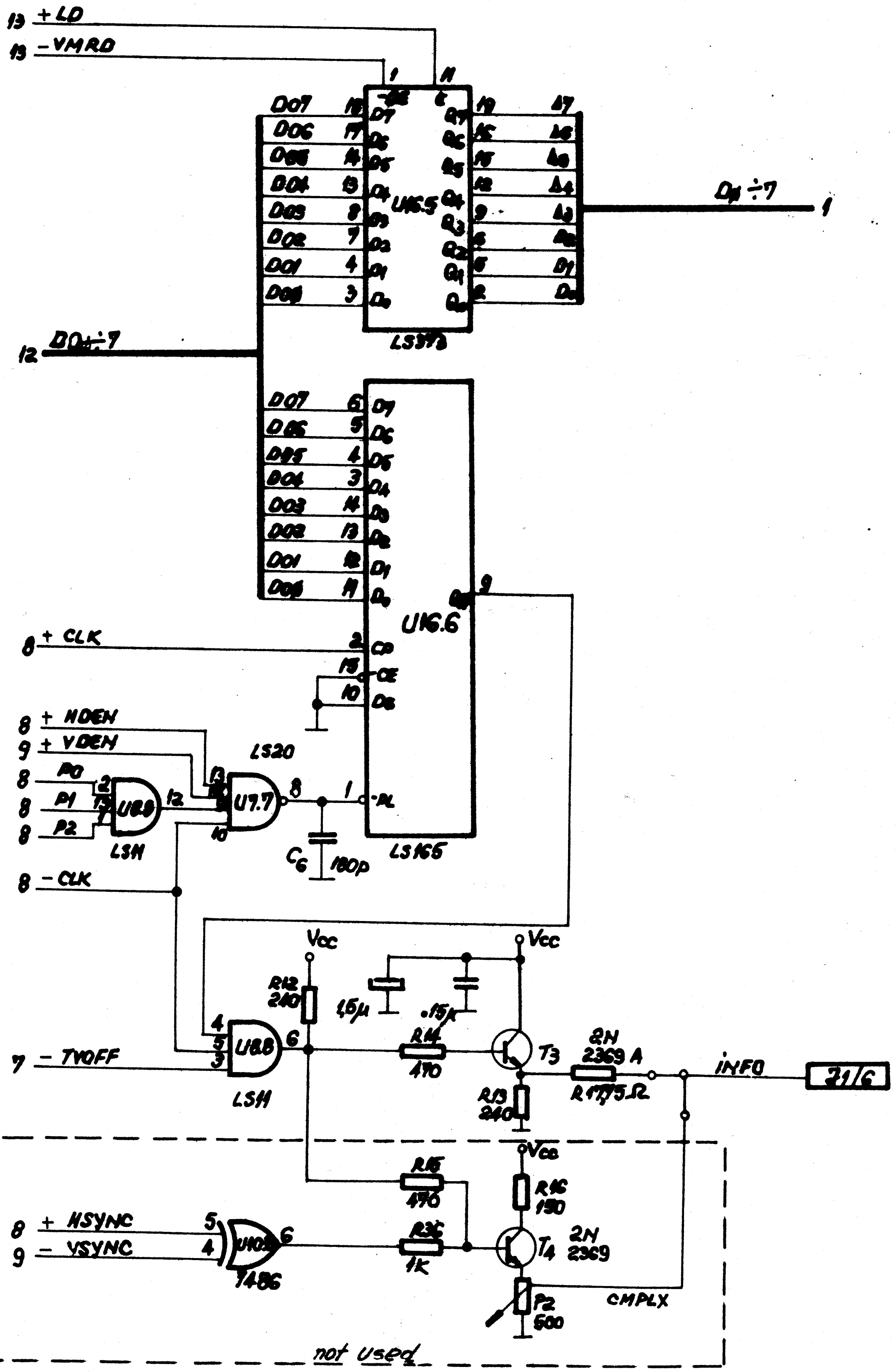
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	VIDEO RAM MUX	
			Sheet 11 of 16



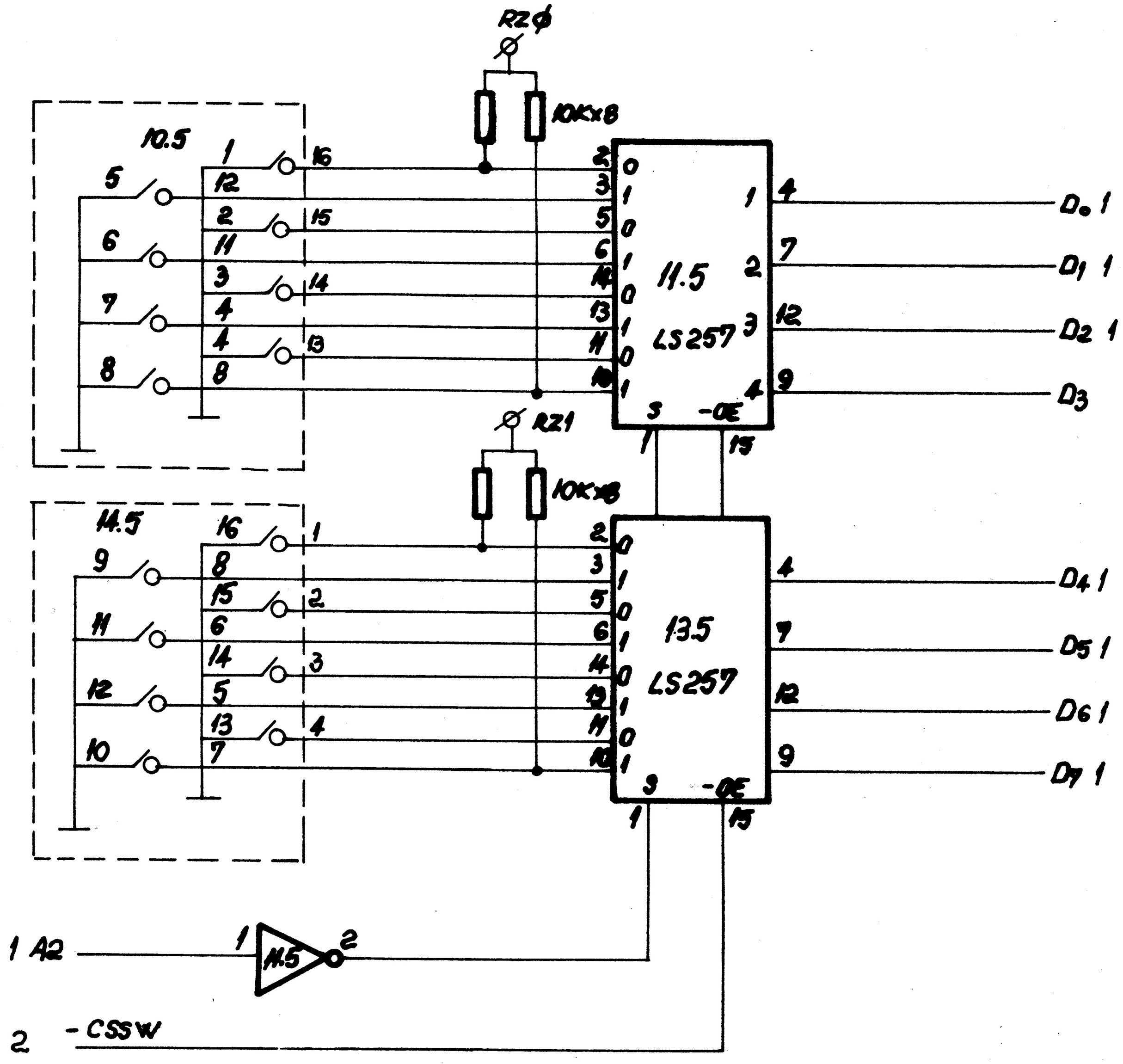
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	VIDEO RAM	
			Sheet 12 of 16



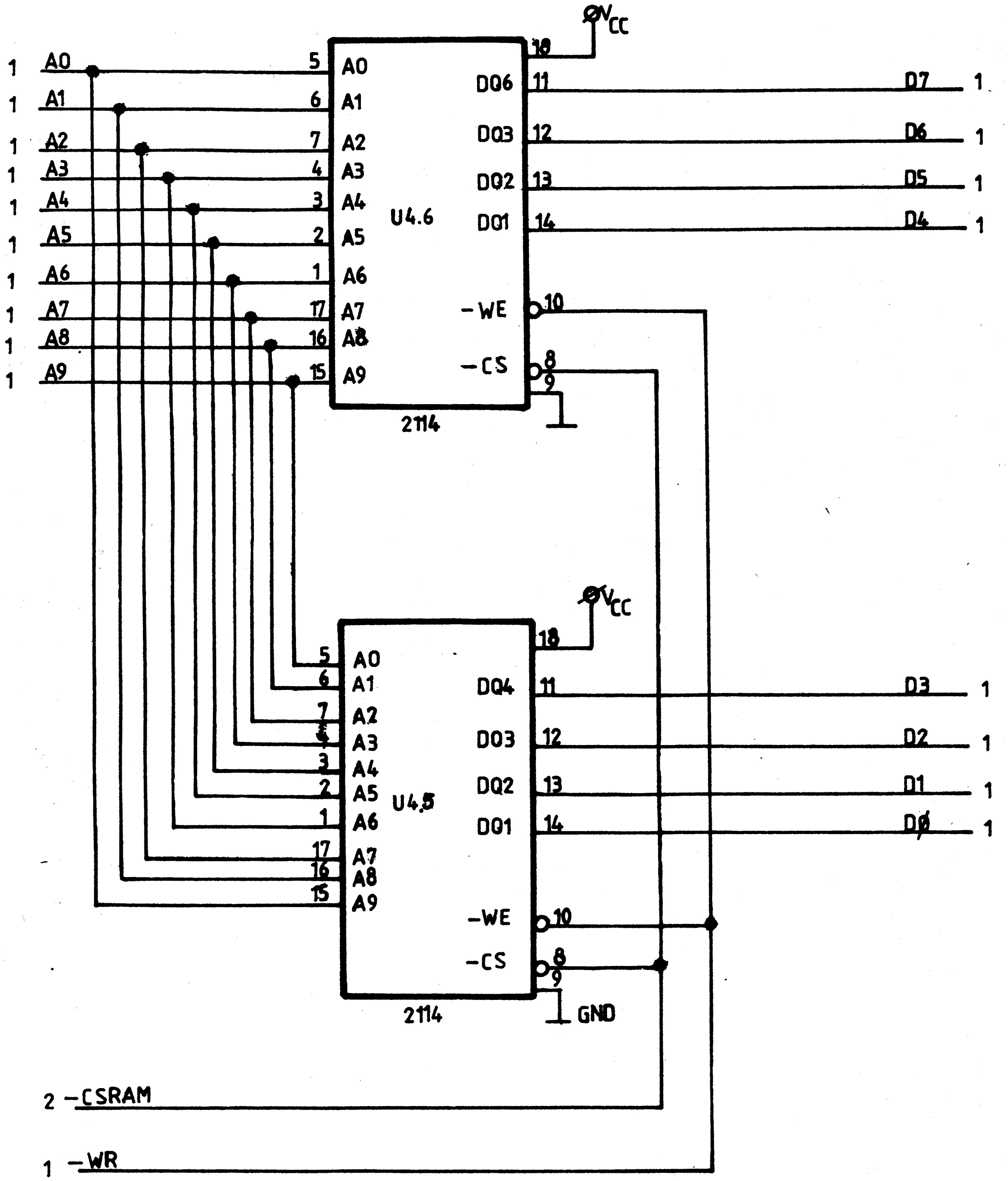
VDT 52-S MAIN BOARD			URC 85.01
	Rev.	VIDEO CONTROL	
			Sheet 13 of 16



VDT 52-S MAIN BOARD			URC 85.01
	Rev.	TV DRIVER	
			Sheet 14 of 16



VDT 52-S			URC 85.01
	Rev.	SWITCHES	
			Sheet 15 of 16



VDT 52-S			
	Rev.	STATIC RAM	
			Sheet16 of 16